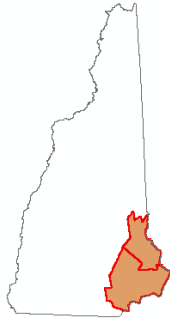
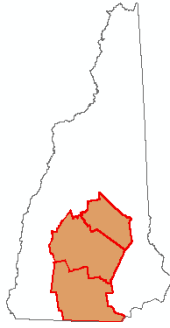

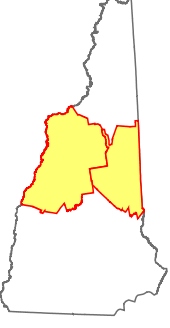
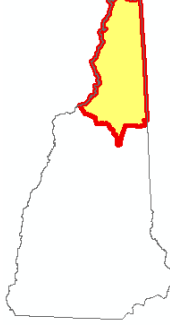




NH Drought Management Team: Drought Status in New Hampshire 7/29/2016

DROUGHT MANAGEMENT AREA	Area 1 Coastal Drainage	Area 2 Southern Interior	Area 3 South Western	Area 4 White Mountain	Area 5 North Country
					
CRITERIA					
Standardized Precipitation Index ¹	1 Year = -1 to -2 D4	6 Month = 0 to -1.5 D3	90 Day = 0 to -2 D2	90 Day = 0 to -1 D1	90 Day = 0 to -1.5 D1
Stream Flow	82 Days D1	125 days D2	119 Days D2	0 Days	0 Days
Palmer Drought Severity Index ^{2,3}	-2 to -2.9 D2	-2 to -2.9 D2	-2 to -2.9 D2	-1.9 to 1.9	-1.9 to 1.9
Groundwater (measured monthly) ⁴	D3	D3	D3	D2	D2
Recommended Drought Status ⁵	Severe	Severe	Severe	Abnormally Dry	Abnormally Dry

1. Standardized Precipitation Index obtained from <http://www.hprcc.unl.edu/maps.php?map=ACISClimateMaps>
2. Palmer Drought Severity Index obtained from <https://www.drought.gov/drought/data-maps-tools/current-conditions>
3. Palmer Drought Severity Index is based on two climate zones in the state and accordingly may not always be consistent with conditions observed in the more localized Drought Management Area.
4. Groundwater data obtained from <http://groundwaterwatch.usgs.gov/netmapT2L1.asp?ncd=NHV>
5. Snow data, soil moisture data, fire danger classification and reservoir level data are reviewed and incorporated into determining the status of a drought.

The New Hampshire Drought Management Team relies on the drought analysis method proposed in the “Analysis of Drought Conditions in New Hampshire”, developed by the University of New Hampshire in December 2014. Drought analysis is conducted for the five regions broken down in the table above using the criteria in the table below. Recommendations for Standardized Precipitation and Palmer Indices are based on index values computed from meteorological data for each drought management area. These differ significantly from those provided by the National Climate Data Center.

	WATCH D0 Abnormally Dry	ALERT D1 Moderate	WARNING D2 Severe	EMERGENCY D3 Extreme	DISASTER D4 Exceptional
STANDARDIZED PRECIPITATION INDEX (SPI) 1-month SPI 3-month SPI 6-month SPI 12-month SPI	<0.0 Not Applicable Not Applicable Not Applicable	Not Applicable <0.0 Not Applicable Not Applicable	Not Applicable <-1.0 Not Applicable Not Applicable	Not Applicable Not Applicable <-1.0 Not Applicable	Not Applicable Not Applicable Not Applicable <-1.0
STREAMFLOW 28-day streamflow 65% normal	Up to 1 Month	1-3 Months	3-6 Months	6-9 Months	>9Months
PALMER DROUGHT SEVERITY INDEX	Not Applicable	<0.0	<-1.0	<-2.0	<-3.0
GROUNDWATER	Not Applicable	Monthly Levels Drop Below Mean	Monthly Levels Persist Below Monthly Mean		Not Quantified